



Enterprise Solutions

Episode 2

J2EE Application Deployment

Resources

- <http://www.edg.utah.gov>
- <http://java.sun.com>
- *Core Java 2 Volume 1—Fundamentals* by Horstmann and Cornell
- *Core Servlets and JavaServer Pages* by Marty Hall

The three tiers of enterprise applications:

1. Client Tier
2. Middle Tier
3. Data/Enterprise Information System/Legacy System Tier

Java Servlets

- Java Servlets are special java classes.
- They “extend” either HttpServlet or GenericServlet.
- The package in which the Servlet operates is declared.
- Other Packages necessary for the operation of the Servlet are also imported.
- Methods doGet, doPost, and doAction are declared and the Servlet functionality is created.

Servlets are a tool best suited to the middle tier of the enterprise application model.

JavaServer Pages

- JavaServer Pages are the subset of Java Servlets.
- They are web pages that are processed and compiled by the Java container into Servlets.
- They contain special tags or “scriptlets” that contain Java code.

JavaServer Pages are an excellent tool for displaying information to the client or user.

Some Development Suggestions

- Follow J2EE Standards.
- Use the State’s package naming convention. Example: gov.utah.das.its.applicationname.
- Avoid proprietary solutions unless arrangements are made for long-term support.
- DOCUMENT ... DOCUMENT ... DOCUMENT!
- Spend a large proportion of your development time on a project doing Discovery and Planning.
- Build the application to meet the business need.
- Prevent scope creep by creating a Specifications Document that the client agrees to and signs.
- The earlier an error is caught, the less expensive it is to fix.
- Use JSPs to present information to the client and use Servlets to do the back end work.